Met Office Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Tuesday 21 Feb 2023 until 23:59 on Wednesday 22 Feb 2023

Forecast Issued on Tuesday 21 Feb 2023 at 00:13

Confidence: High

Headline for Tuesday 21 Feb 2023: Cloudy with some hill fog but mainly dry. Fresh southwest breeze, freezing level above the summits.

Mountain weather hazards on Tuesday 21 Feb 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG			FOG	FOG
Fog	Fog	Dull	Dull	Fog	Fog
Precipitation probability					
20%	10%	20%	10%	10%	30%

Forecast for Tuesday 21 Feb 2023

Weather: Cloudy and mainly dry but a few patches of drizzle are likely. A few brighter spells in good shelter from the southwest, towards the east of the park.

Chance of cloud-free hill tops above 600m: 10% rising 40% for a time.

Low Cloud and visibility: Cloud extensive between 400-600m tending to lift 700-800m for a time around the middle of the day before lowering again later. Bases a little higher in the northeast with perhaps a few breaks. Below the cloud, visibility mainly good.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Tuesday 21 Feb 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	16/21 SW	15/20 SW	16/23 SW	17/24 SW	15/21 SW	15/21 SW	16/23 SW
300	8/18 W	9/18 SW	11/21 SW	10/20 SW	8/17 SW	7/16 SW	8/18 SW
Valley	5/14 SW	6/14 SW	10/20 SW	8/17 SW	6/15 SW	6/14 SW	7/16 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	5/1	5/0	4/-1	4/-1	4/-1	4/-1
300	7/4	7/4	7/4	7/4	6/4	6/3	6/3
Valley	7/6	8/6	8/5	8/6	7/5	7/5	7/5
Freezing Level*	1800m	1700m	1400m	1300m	1200m	1400m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Navigational difficulties across the tops will be the main hazard on Tuesday though the chill will be notable at height with summits only a few degrees above freezing.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 21 Feb 2023	10.2mm	10.6mm	18mm

Forecast for Wednesday 22 Feb 2023

Weather: Some rain will develop in the early hours this turning to snow down to about 700m towards daybreak though it will die out soon after. Cloud then lifting and breaking to give a bright and mainly dry afternoon with some sunshine breaking through, and just the chance of an isolated shower which would be wintry down to 500m.

Maximum wind: In early hours southerly 25 gusts 35mph becoming westerly 15 gusts 25mph in the morning, then north-westerly 20 gusts 30mph towards evening.

Chance of cloud-free hill tops above 600m: 10% early hours rising 40% during the morning and 80% in the afternoon.

Low Cloud and visibility: Cloud at 400-700m at first with occasionally poor visibility in rain and snow then cloud breaking and lifting to above the hilltops in the afternoon with good visibility underneath.

Temperature: **Valleys:** Plus 6 Celsius
At 600m: Plus 4 early hours then falling to Plus 2 in morning and minus 1 in the evening.
Freezing level: Above summits early hours falling 800m by dawn then 600m by evening.

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